

CLAIMS

What is claimed is:

- 1 1. A method of dialing a telephone number comprising:
- 2 a. transmitting data from a personal digital assistant device to a communication
- 3 device, wherein the data includes the telephone number; and
- 4 b. automatically dialing the telephone number by a dialing device.
- 1 2. The method as claimed in claim 1 wherein the dialing device is integral to the
- 2 communication device.
- 1 3. The method as claimed in claim 1 wherein the dialing device is an external device linked
- 2 to the communication device.
- 1 4. The method as claimed in claim 1 further comprising verifying that a connection has been
- 2 established between the personal digital assistant device and the communication device.
- 1 5. The method as claimed in claim 1 further comprising analyzing compatibility of
- 2 transferred data.

1 6. The method as claimed in claim 1 further comprising sending a status message to the
2 personal digital assistant device regarding status of data transmission.

1 7. The method as claimed in claim 1 further comprising storing the data within a dialing
2 device memory.

1 8. The method as claimed in claim 1 further comprising storing the data within a
2 communication device memory.

1 9. A method of dialing a telephone number comprising :

- 2 a. transmitting data from a personal digital assistant device to a dialing device,
3 wherein the data includes the telephone number; and
4 b. transmitting the data from the dialing device to a communication device, wherein
5 the telephone number is automatically dialed by the communication device.

1 10. The method as claimed in claim 9 further comprising saving the telephone number in a
2 dialing device memory.

1 11. A system for dialing a telephone number comprising:

- 2 a. a personal digital assistant device for transmitting data including the telephone
3 number;

- b. a dialing device capable of reception and transmission of data; and
- c. a communication device coupled to the dialing device for reception of the data transmitted from the dialing device.

12. The system as claimed in claim 11 wherein the dialing device is external to the communication device.

13. The system as claimed in claim 11 wherein the dialing device is integrated within the communication device.

14. A personal digital assistant device for automatically dialing a telephone number via a communication device comprising:

- a. a data communications circuit for transferring data including the telephone number to a communication device and receiving data from an external source;
- b. a verification circuit coupled to the data communications circuit, for verifying that a connection with the communication device has been established;
- d. a notification circuit coupled to the data communications circuit and the verification circuit for informing a user of a status of connection between the personal digital assistant device and the communication device; and

e. a user interface coupled to the data communications circuit, the verification circuit, and the notification circuit for receiving commands and the data from the user.

15. The personal digital assistant device as claimed in claim 14 further comprising a display coupled to the user interface for viewing of data input, received and transmitted.

16. The personal digital assistant device as claimed in claim 14 further comprising a microprocessor coupled to the data communications circuit, the verification circuit, the notification circuit, and the user interface for execution of programmed instructions.

17. The personal digital assistant device as claimed in claim 14 further comprising a data storage medium coupled to a microprocessor and the data communications circuit for storing received data.

18. The personal digital assistant device as claimed in claim 14 wherein the data communications circuit transfers data via an infra-red connection.

19. The personal digital assistant device as claimed in claim 14 wherein the data communications circuit transfers data via a wired connection.

1 20. The personal digital assistant device as claimed in claim 14 wherein the data
2 communications circuit transfers data via a wireless connection.

1 21. A communication device comprising:

- 2 a. a microprocessor configured to execute programmed instructions;
3 b. a dialing device coupled to the microprocessor to automatically dial a telephone
4 number;
5 c. a data receiving circuit coupled to the microprocessor and to the dialing device for
6 receiving data from a personal digital assistant device; and
7 d. a first data transmitting circuit coupled to the microprocessor for transmitting
8 data, and status and error messages to the personal digital assistant device.

1 22. The communication device as claimed in claim 21 wherein the dialing device is
2 integrated within the communication device.

1 23. The communication device as claimed in claim 21 further comprising a user interface
2 coupled to the microprocessor and the dialing device for inputting telephone numbers to
3 be dialed by the dialing device.

1 24. The communication device as claimed in claim 21 further comprising a data storage
2 medium coupled to the microprocessor, the dialing device and the data receiving circuit
3 for storing received data.

1 25. The communication device as claimed in claim 21 further comprising a data analyzing
2 circuit coupled to a microprocessor and to the data receiving circuit for analyzing
3 received data from an external source to determine whether the received data will permit
4 a call to be placed.

1 26. The communication device as claimed in claim 21 further comprising a dialing
2 mechanism coupled to a microprocessor for simulating unique touch-pad dial-tones and
3 triggering a dial-tone, and dialing a telephone number.

1 27. The communication device as claimed in claim 21 wherein the data receiving circuit
2 includes an infra-red connection.

1 28. The communication device as claimed in claim 21 wherein the first data transmitting
2 circuit includes a wired connection.

1 29. The communication device as claimed in claim 21 wherein the data receiving circuit and
2 the first data transmitting circuit include a wireless connection.

1 30. The communication device as claimed in claim 21 wherein the communication device is a
2 telephone.

1 31. The communication device as claimed in claim 21 wherein the communication device is a
2 wireless telephone.

1 32. The communication device as claimed in claim 21 wherein the communication device is a
2 two-way pager.

1 33. The communication device as claimed in claim 21 wherein the communication device is a
2 video phone.

1 34. A dialing device comprising:
2 a. a microprocessor configured to execute programmed instructions;
3 b. a data receiving circuit coupled to the microprocessor for receiving data from a
4 communication device;
5 c. a dialing mechanism coupled to the microprocessor and the data receiving circuit
6 for simulating unique touch-pad dial-tones and triggering a dial-tone at the
7 communication device; and

8 d. a data transmitting circuit coupled to the microprocessor for transmitting data, and
9 status and error messages to the communication device.

1 35. The dialing device as claimed in claim 34 further comprising a data storage medium
2 coupled to the microprocessor, the dialing mechanism and the data receiving circuit for
3 storing received data.

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5 36. The dialing device as claimed in claim 34 further comprising a display coupled to the
6 microprocessor for viewing of data input, received and transmitted.

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9 37. The dialing device as claimed in claim 34 further comprising a verification circuit
10 coupled to the data receiving circuit and the microprocessor for verifying whether a
11 connection with a communication device has been established.

1 38. The dialing device as claimed in claim 34 further comprising a data analyzing circuit
2 coupled to the data receiving circuit and the microprocessor for analyzing received data
3 from an external source to determine whether the received data will permit a call to be
4 placed.

1 39. The dialing device as claimed in claim 34 further comprising a second data receiving
2 circuit coupled to the microprocessor for receiving data from an external source.

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